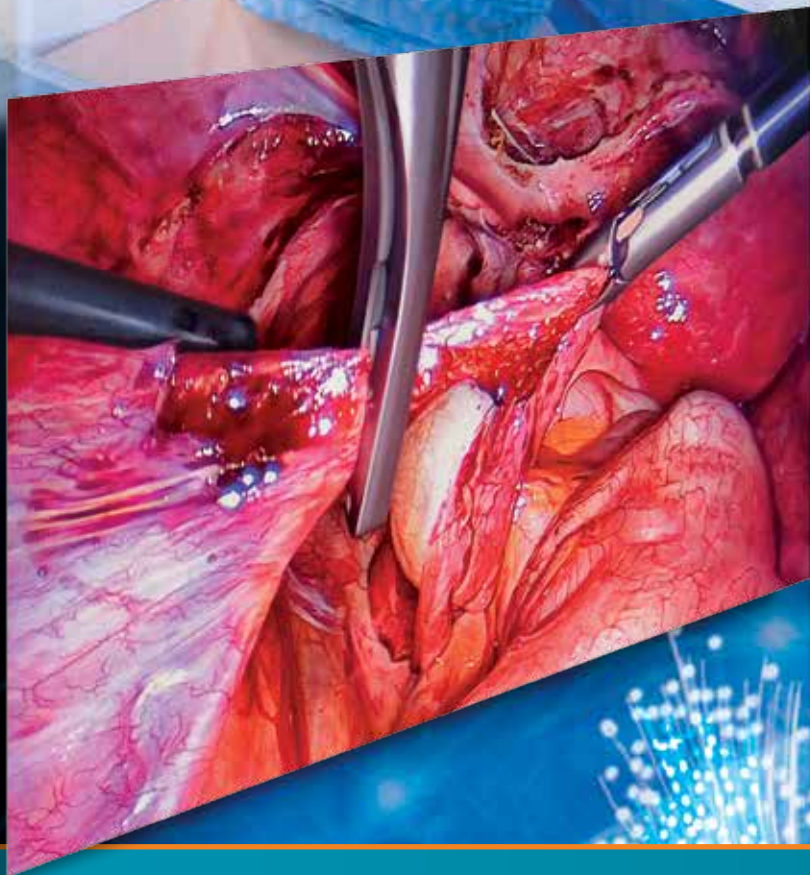Surgical Solutions

Harmony iQ™
Integration Systems

Live the STERIS Experience

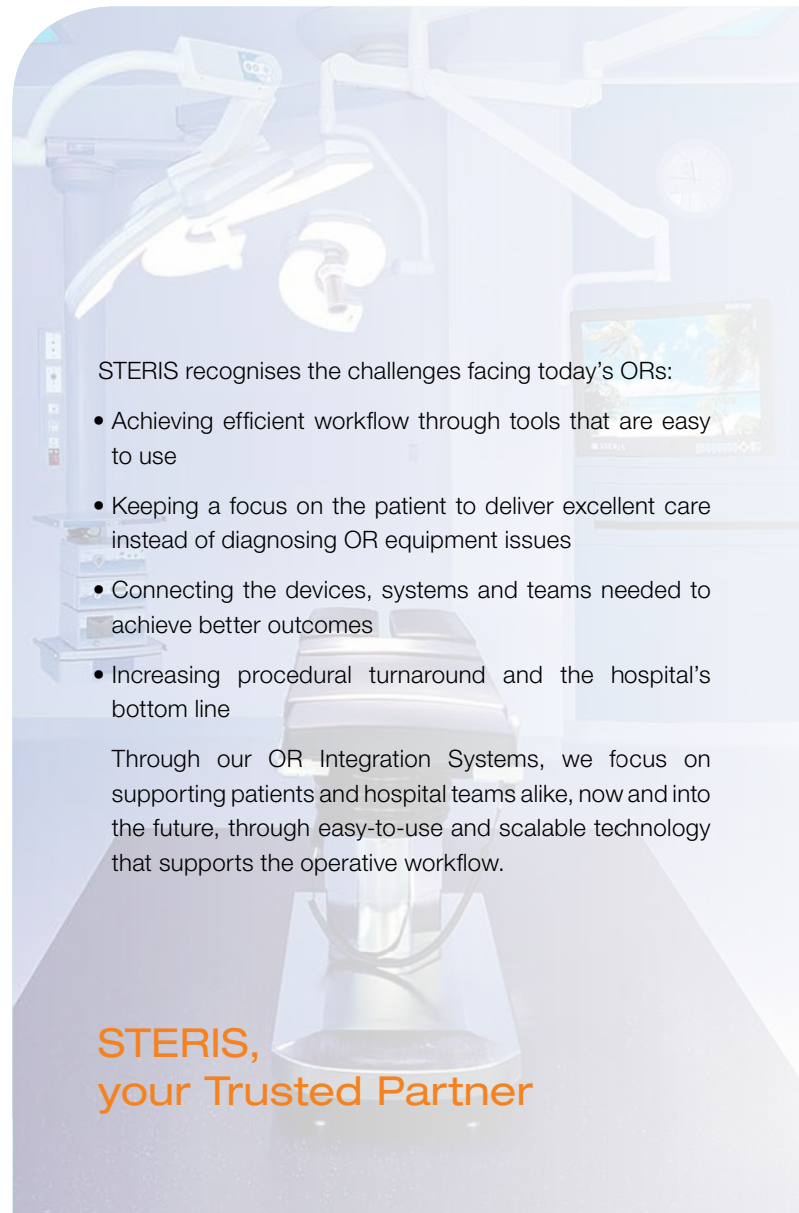One Integrated Approach to Healthcare

STERIS

One Solution. Infinite Connections

Supporting the Most Demanding Complex ORs Now and into the Future.

In surgery, you have to rely on your team and the systems that support your every move. STERIS connects you with the high quality, reliable surgical products, solutions and service to create first-rate reliability in the OR environment.

Today, STERIS holds one of the broadest portfolios of products in the industry. It stands at the forefront of efforts to offer innovative and customised solutions and is broadening its reach with products to help you gain productivity, lower costs and protect staff and patients.

STERIS recognises the challenges facing today's ORs:

- Achieving efficient workflow through tools that are easy to use
- Keeping a focus on the patient to deliver excellent care instead of diagnosing OR equipment issues
- Connecting the devices, systems and teams needed to achieve better outcomes
- Increasing procedural turnaround and the hospital's bottom line

Through our OR Integration Systems, we focus on supporting patients and hospital teams alike, now and into the future, through easy-to-use and scalable technology that supports the operative workflow.

STERIS, your Trusted Partner

What Does Harmony iQ™ Mean for You?

Harmony iQ™ Integration Systems provide a simple, single point of control that allows surgical teams to route all the images, video, audio and data they need to any monitor, recording device or remote location.

Harmony iQ™ Integration Systems also control operating theatre infrastructure such as room and surgical lights, in-light and wall camera, music systems and video conferencing systems, all with the touch of a finger. Harmony iQ™ Integration Systems can handle all of your current equipment: each system is designed to enable each device routed through it to perform at its optimum level.

Harmony IQ™ Integration Systems

Supporting your Evolving Technology Needs… at your Pace

Embrace the future

Confidently display images from a wide variety of input sources, including all major endoscopic cameras.

The end-to-end digital fiber backbone provides unrivaled bandwidth, image quality with flexibility for new signals in the future.

Technology for Enhanced Workflow

- **HD and 4K video routing** offers the entire surgical team visibility to critical information from HD or 4K devices, supporting informed treatment decisions, synchronised activity, and better patient outcomes

- Control of connected technologies like PC computers, surgical lights and cameras from the touch panel promotes efficient and prompt reaction to procedure events.

- **VuCapture™** Digital Recording System delivers reliable and vendor-neutral HD capture and recording of connected video sources

- **Harmony iQ™ Perspectives™** Image Management System supports later review of surgical images and recordings, and export directly to the Electronic Medical Record (EMR)

- **SignatureSuite™** relaxing multimedia experience creates a calming environment for patients, while custom presets simplify workflow for improved productivity and staff satisfaction

Compact base unit

More Information. Less Clutter.

Our base unit mounts flush within wall studs for a zero-footprint design, and allows you to connect virtually any imaging or data device from any vendor through a vendor-neutral integration approach. The unit and cabling are kept off the floor, reducing clutter and trip hazards.

Support high-volume rooms, visually complex procedures and demanding hybrid ORs. Connect up to 32 devices and route up to 32 destinations for viewing, capturing and recording.

STERIS, the Inventor of the Universal Port

Simplify connections

Remove the guesswork from connecting equipment with universal ports. Seamlessly connect all mobile devices in the OR with a single universal connection. Cables and connectors are sturdy and durable, designed for intensive use in the OR.

Embrace more bandwidth

Be ready for ever-increasing bandwidth demands of evolving video technology. Get the OR Integration Systems that is right for you today, whether your needs are big or small, complex or simple. The complete fiber optic backbone ensures your investment is sustainable.

Our scalable design and fiber-optic architecture support more connections and higher resolutions as your needs grow.
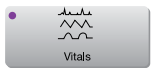
STERIS Touch Panel:
The Masterpiece Which Connects Both People and Devices

4K
Endo EMS

Vitals

Auto recognition identifies equipment when used with universal ports to easily route the system
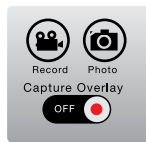
Computer

Multi Computer enables the use of one single keyboard, touch panel and mouse to control your PACS, EMR, etc.

Video Conf

Our Call and Connect streaming and conferencing technologies deliver HD audio and video streaming and bi-directional audio and videoconferencing capabilities within the hospital network or beyond.

MultiImage

Multi-Image allows for multiple images on any monitor.

Record   Photo
Capture Overlay
OFF

Our **VuCapture™ Digital Recording System** enables you to capture surgical procedures in stunning high-definition.

A user-focused Touch Panel Designed by Nurses, for Nurses

It's critical to ensure that OR teams can use the technology in the OR easily and efficiently. Our control panel was designed by those who use it every day: OR nurses. Operate audio sources, in-light cameras, wall cameras simply and conveniently.

Support efficient and safe procedures, and respond quickly to events that create a need for adjustment to these devices.

Lights

Surgical lighting control allows you to adjust lights with the touch of a button.

Monitors

Monitor Control provides instant access to adjust monitor settings or define surgeon preferences from the touch panel.

Checklist

Surgical Checklist, following WHO standards, can be customised and easily routed to any monitor in the room.

Presets

Configure completely the OR depending the **surgeon's preferences** using his recorded presets.

Interfacing to your Hospital

Through our Harmony iQ™ Perspectives™ Image Management System, easily send captured media to the Electronic Medical Record, and securely review the media from a computer or mobile device. Images and recordings are automatically saved to the correct case to support accurate and thorough case records.

Our VuCapture™ Digital Recording System enables you to capture surgical procedures in stunning high-definition detail and associate them with patient case data, then print, save or export.

"We can view all cases for today and automatically populate essential patient information directly from our HIS with the touch of a button. Technology like this gives surgeons and operating room staff unprecedented access to information from which to make the best treatment decisions for patients".

OR staff

Setting Preferences at your Fingertips

Open infrastructure

Customised presets

Digital security compliance

Accurate patient records

Turn your OR into a Calming and Familiar Space
Happy Patient. Happy Staff.

Through our SignatureSuite™ OR Integration Systems offerings, we can help reduce the patient's anxiety before a procedure by dimming the lights and displaying calming media on monitors, such as a beach scene or mountain landscape as the patient enters the OR. This feature also helps to reduce stress for the OR team and makes set-up run more efficiently.

It's one more tangible way your hospital can demonstrate its focus on the patient. Once the patient is anesthetised, video routing presets exit from SignatureSuite™ OR Integration Systems and prepare for the particular type of procedure's visualisation requirements.

"By having the lights dimmed and the scenes on the screens, it gives the room a more serene feeling. You can tell the patient then has an overall sense of calmness. Their anxiety and stress is relieved." **Anaesthetist**
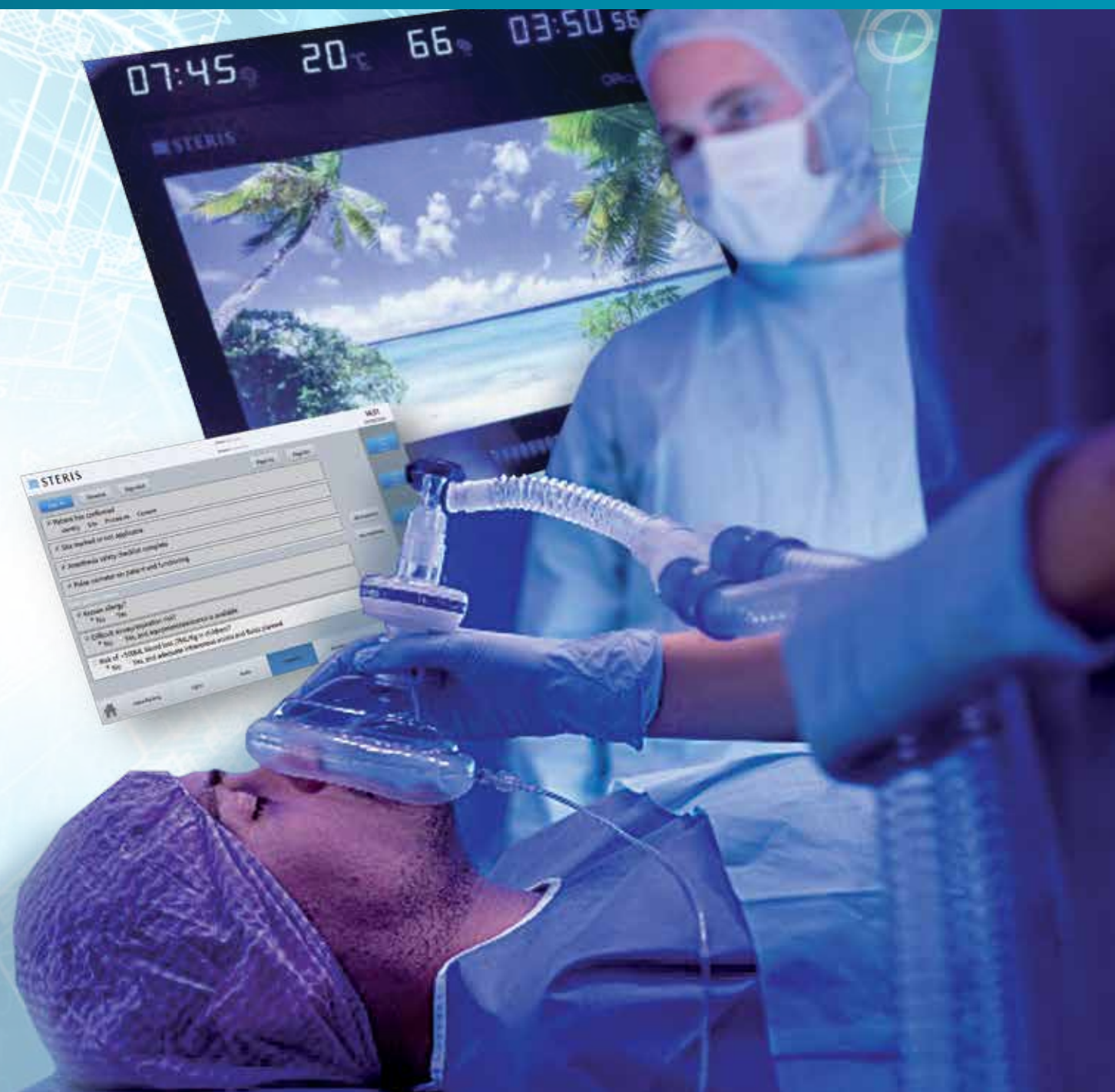
Serenity in the OR

Patient relaxed

The power of images

Ready for 4K? We are.

When your hospital invests in video technology, you can rely on STERIS surgical and wall monitors to provide the performance your hospital requires. They guarantee surgeons greater visual clarity, reduce eye fatigue in the operating room and improve visual support for your surgical team.

We recognise that 4K OR integration is about more that just seeing ultra high-resolution surgical video. With the Harmony iQ™ Integration Systems, you also retain the robust collaboration and workflow tools you expect in a STERIS integrated OR.

True 4K Routing and Visualisation
- Capable of industry 4K standards: 4:4:4, 60Hz
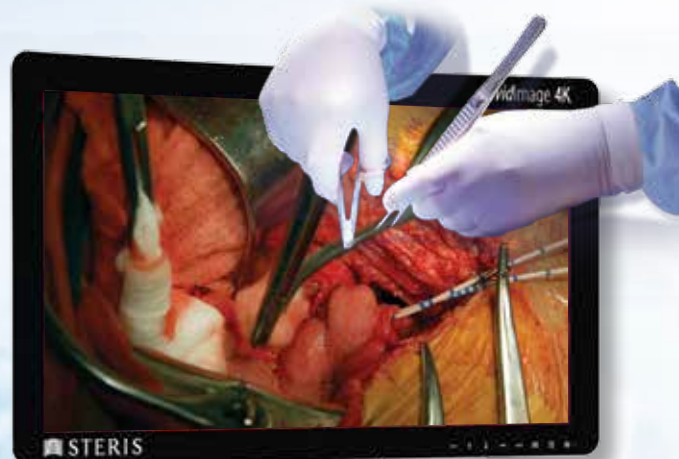- Uncompressed, unadulterated 4K transmission from source to display

Vendor Neutral
- Scalable to connect the devices you prefer: today and tomorrow
- Proven compatible with today's HD and 4K devices
- Intuitive 4K universal ports

Advanced Visualisation Without Compromise
- 4 times the detail of High Definition for better viewing of fine structures when performing complex procedures
- Wider color gamut for greater perception of depth and tissue variation
- More-informed treatment decisions for better outcomes

Outstanding Quality

Our equipment is designed for the clinical environment: it reduces cabling and tripping hazards, improve cleanability and prevent contaminants from being vented by surgical monitors through optimal cable routing. Create presets to customise images for each surgeon, depending on their visualisation preferences.

Multi-image Capacity Built in the System

Enable its routing to any destination: any monitor, videoconferencing or routing capacity.

You can also rotate images to portrait mode for spine cases or other procedures requiring vertical viewing.

Surgical Grade Monitors Designed for High Demands of the Surgical Environment.

STERIS

ORigami

10:00 Time 20 °C Temp 66 % R.H. 00:0107

STERIS

Designed for the Demands of the OR

- Light-weight
- **Black bezel** reduces eye-strain; **white back** improves visibility
- **Generous viewing size:** from 27'' to 65''
- **Crisp, clear images:** outstanding resolution, colour rendition, brightness and contrast yield eye-popping realistic images.
- **VectorSharp** image enhancement for a clearer image free of artifacts
- **DICOM-compliant** grayscale visualisation (calibrated)
- Direct fiber input
- **Built-in microphone**
- **Non-glare finish** for eye comfort

Connecting your OR With Anyone, Anywhere...

Whether the connection is across the hall or between continents, Harmony iQ™ Integration Systems is a secure, access-controlled environment for managing still images, high quality audio and uncompromised video captured during surgical procedures for **educational, training and study review purposes.**

Harmony iQ™ Integration Systems connect teams within the OR with clinicians and audiences outside the OR, facilitating real-time collaboration, consultation and education.

Simplify Communications

Turning information into action

The Harmony iQ™ Integration Systems's focus is clear: deliver critical information - from many video/data, EMR and captured media - when and where it is needed for the OR staff to make timely, accurate patient care decisions, and document the procedure with ease and accuracy.

From native videoconferencing over fiber or IP videoconferencing over internet (unified solutions following standardised protocols compatible with h.323 and SIP) to live broadcasting, STERIS Harmony iQ™ Integration Systems meet usage needs and technical requirements. All within a secure access-controlled environment.

With Harmony iQ™ Integration Systems,
Easily Share and Observe WIDELY.

08:00
NEW YORK

20:00
SHANGHAI

14:00
PARIS

14:00
PARIS

in your hospital…

and across the world

Surgeon Portal

Sharing the Information Has Never Been Easier!

Modern care facilities, from operating suites to ambulatory care centers, produce an ever-increasing amount of videos and images during surgical procedures.

Then, What Happens?

Harmony iQ™ Perspectives™ Image Management Systems reliably manages assets and related information in a central server allowing authorised users to retrieve them quickly and easily.

Harmony iQ™ Perspectives™ Overview

- **After the procedure,** securely retrieve all your assets from your office, at home or anywhere you have an internet connection.

- **Easily edit,** share and archive assets from your case.

- You can search for and view the videos or images so you can publish a report, share the images with colleagues, or review a past procedure.

- Seamless archival: easily transfer images and videos to hospital EMR or PACS.

- **Observe live video streams,** surgical cases from any location, download anonymised images and videos for use in education, build your own video library with keyword search capability.

Accessible via PC, tablet using a web browser or with the smartphone app.

We'll Work With IT for a Quick, Easy and Secure Installation.

Meet compliance standards for digital security:

- HIPAA compliant, including tools to remove PHI for sharing and storing

- Powerful and Secure. Integrates with Active Directory and LDAP

- Ease of application administration, robust tools to support storage management and hospital policy compliance

- Automatic notifications to internal team as well as STERIS support team (Without PHI information's)

- Security features to control user access to the application

More **efficient workflow** & improved **productivity:**

- Browser based and easy access, no client side app to maintain

- A real-time visibility for process efficiency & for situational awareness

- Vendor-Neutral EMR integration

- Collaborative work to ease sharing contents by group of user

Make connectivity work for you and your patient.

STERIS Accompanies You Throughout Your Project

A Customised Offer

The integration experts

With decades of experience in operating theatre planning, design and implementation, STERIS has become a leading industry expert in achieving the perfect balance between functionality and ease of use.

Our team of Project Design Managers will assist you in creating the perfect environment for your needs, while our Project Managers and dedicated Installation Specialists will bring it to life.

Project Management

A hospital layout project is extremely complex. Beyond the technical and regulatory aspects, the human factor is very important. Patients and medical staff must feel at ease there, and procedures should run as smoothly as possible. Your activity must be taken into account to develop a project that is perfectly adapted to your current and future needs.

STERIS accompanies you throughout your project, from the definition of requirements right through to the training of your teams. From the simple positioning of equipment up to the creation of a full operating facility, consulting STERIS makes all the difference.

Good collaboration begins right at the start of the project: accurate definition and management ensures the expected results, cost control and deadlines are achieved.

SecureCare™
Service Solutions
for Medical Equipment

On-Site Training For Medical Staff

This training ensures the safety of staff and patients, and makes your teams immediately operational, enabling them to make optimal use of all the features.

Secure the Future of your Harmony iQ™ Integration Systems With STERIS SecureCare

You've trusted the STERIS brand to ensure your operating theatre at optimal performance. At STERIS, we believe that all Customers should have options. Connecting innovative products with outstanding Service helps to ensure you're in the best possible position to focus on what matters most... the patient.

STERIS strives to provide the highest level of Customer support by offering several Service Contracts to get the best from your OR. STERIS offers you a wide range of Service Agreements to protect your capital investment. Every level of coverage comes with the added benefit of Technical Support, genuine STERIS parts and detailed service documentation.

Protect your investment

Highly secure installation

Customer support

Committed to Customer satisfaction

ORigami

Optimise the Entire Surgical Workplace

From start to finish, the Harmony iQ™ Integration Systems offers the surgical team efficiency enhancements at every stage of the procedure through tools to support collaboration, image management and workflow.

Technology for an Enhanced Workplace

Flexible Access
- Surgeons and nurses can access video and image assets from any device with access to the hospital network
- Browser-based – does not require installation of a dedicated application

Seamless Archival
- Push images and videos to hospital EMR or PACS
- PDF report generation for download or print

Administrator Friendly
- Robust administration tools, to support storage management and hospital policy compliance
- HIPAA (Health Insurance Portability and Accountability Act) compliant, including tools to remove PHI (Protected Health Information) for sharing and storing
- Integrate with Active Directory for management of users and access levels
- Security and penetrability tested by external security firm
- Simple in-application tools to manage day-to-day activities such as disk storage, user addition/removal, and record updates

Patient workflow
- Continuous patient visibility thanks to the camera installed in the operating rooms
- Provides convenient, at-a-glance status of each procedure
- Improve staff and surgeon satisfaction
- Seamlessly integrate OR schedule changes

"There are a lot of moving parts in an operating room setting, and this technology shows details of what is going on in each room in real time from one convenient dashboard. It acts as an « air traffic controller » among the various surgical suites that are active at any given time".

OR chief nurse

Functioning OR

Efficient workspace

The Harmony iQ™ Integration Systems connects teams within and beyond the OR through robust collaboration and communication tools.

Live the STERIS Experience

One Solution. Infinite Connections.

SEE the Benefits of the STERIS Harmony iQ™ Integration Systems More Clearly.

Videoconferencing
Connect teams within the OR with clinicians and audiences outside the OR, facilitating real-time collaboration, consultation and education.

4K surgical grade monitors:
View greater detail and 4x the resolution of HD. See with greater clarity and precision when performing complex procedures.

Multi-image capacity built in the system enabling its routing to any destination: any monitor, videoconferencing or routing capacity.

Seamlessly connect all mobile devices in the OR with a **single universal connection.**

Search and view the videos or images so you can publish a report, add notes and share the images with colleagues, or review a past procedure.

Observe live video streams, surgical cases from your smartphone.

Completely configure the OR depending the **surgeon's preferences** using recorded presets.

STERIS deployed its extensive experience in the surgical environment to create solutions that are easy to learn and use and simple to connect.

Select from the **Hospital Information System** schedule for accurate patient and procedure information.

Signature Suite™ relaxing multimedia experience
As the patient arrives in the operating theatre, they are welcomed by a calming ambiance: soothing images, soft music, dim lights.

Observe live video streams, surgical cases from any location. Securely retrieve all your assets at home.

Share widely videos and images in your hospital or with other hospitals in a **secure, access controlled environment.**

Connected Solutions. Better Outcomes.

STERIS

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Innovation happens at a rapid pace. Position yourself to adapt to tomorrow's advancements while protecting your investment today. Through the future-ready design of Harmony iQ™ Integration Systems, you can be confident that the Integration Systems you use TODAY will also meet your needs of tomorrow.

www.steris-healthcare.com